FIG.1 PRIOR ART

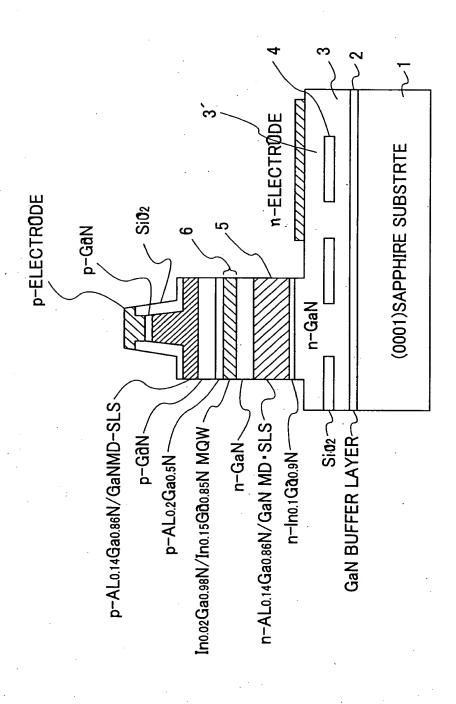


FIG.2 PRIOR ART

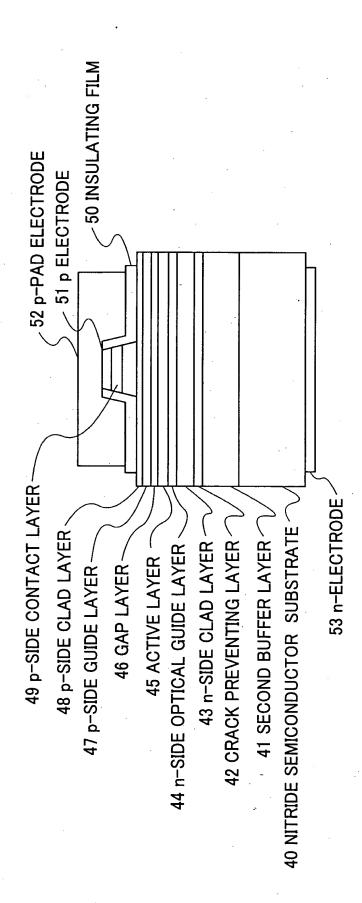


FIG.3A PRIOR ART

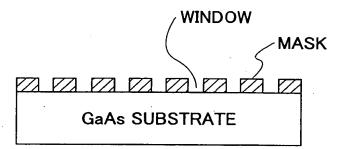


FIG.3B PRIOR ART

GaN BUFFER LAYER

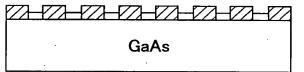


FIG.3C PRIOR ART

EPITAXIAL LAYER

GaN

GaAs

FIG.3D PRIOR ART

GaN

FIG.4A PRIOR ART

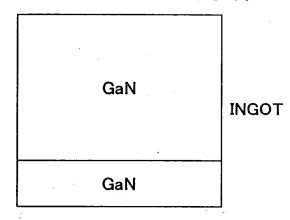


FIG.4B PRIOR ART

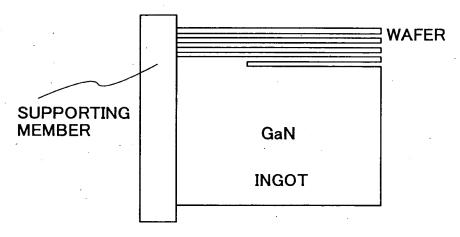


FIG.4C PRIOR ART

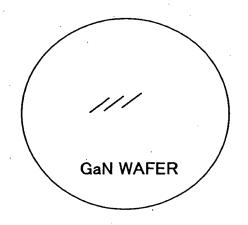


FIG.5

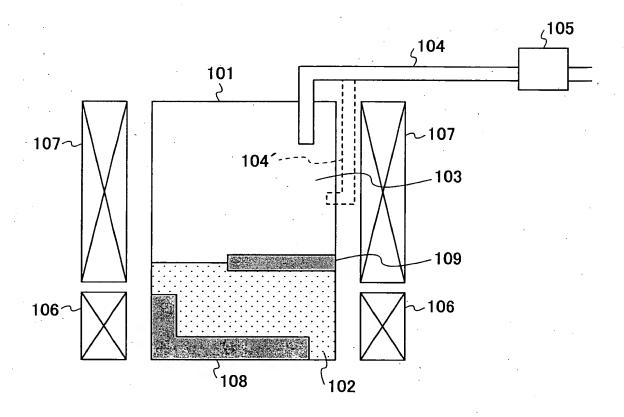


FIG.6

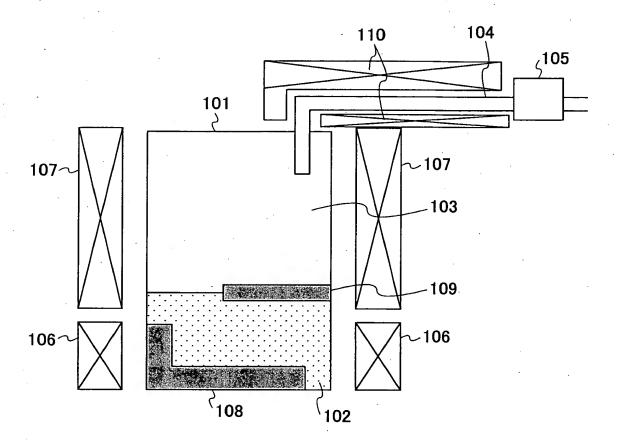


FIG.7

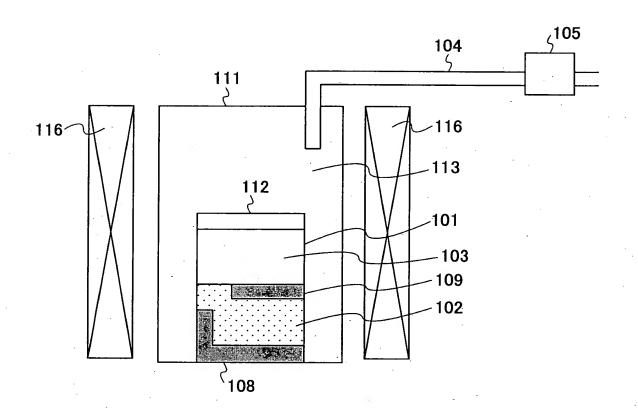
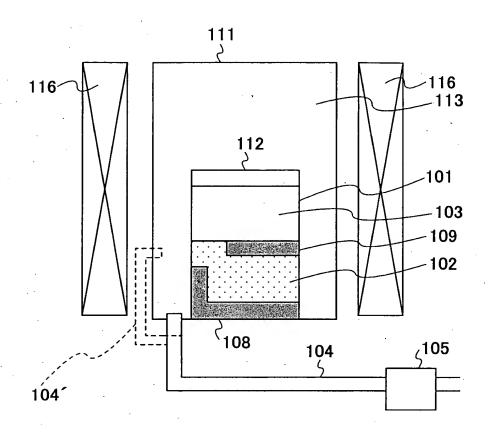
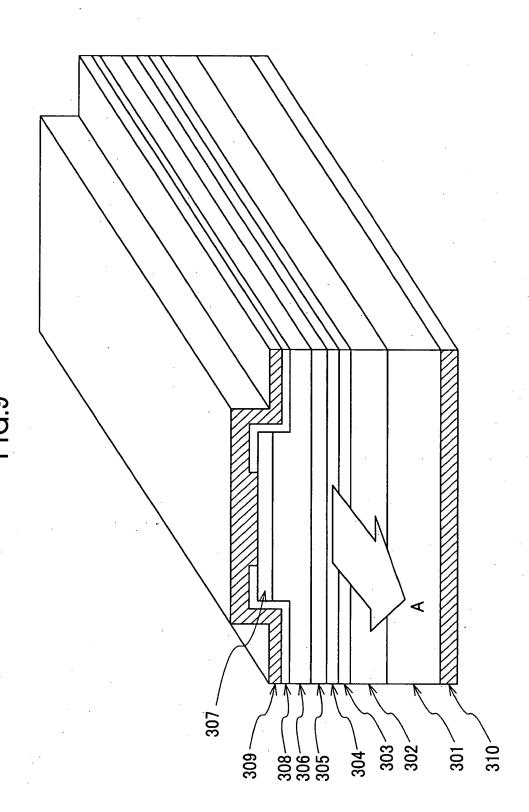


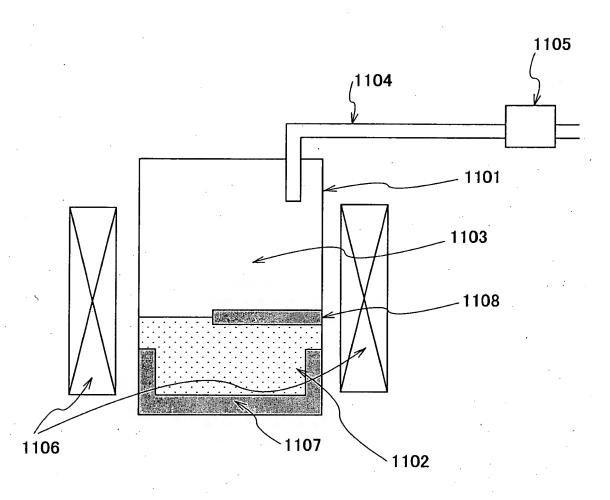
FIG.8

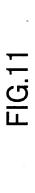




*

FIG.10





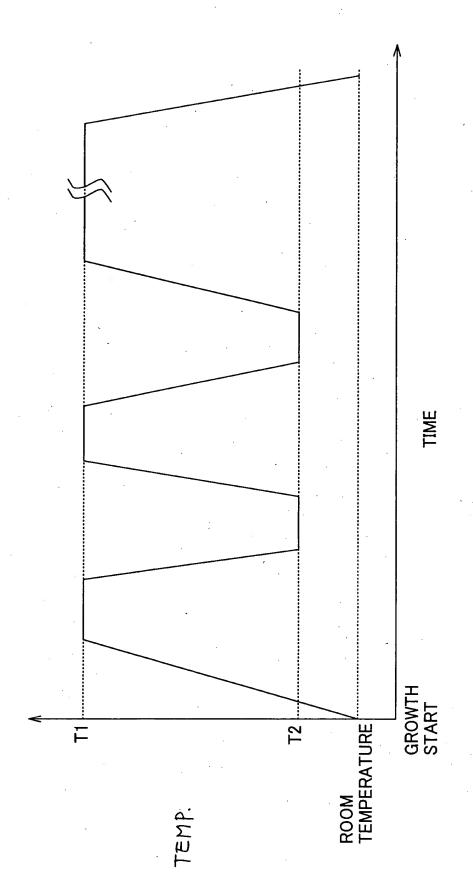


FIG.12

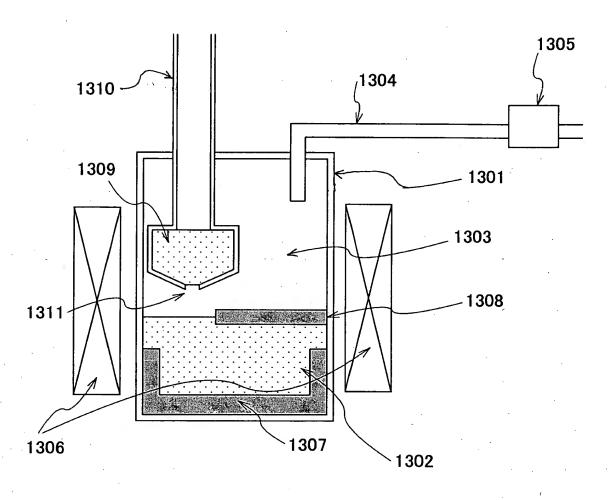


FIG.13

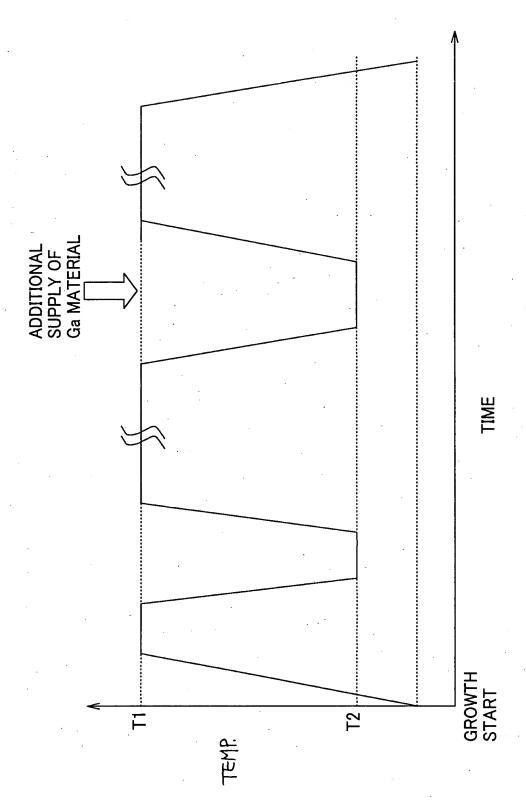


FIG.14

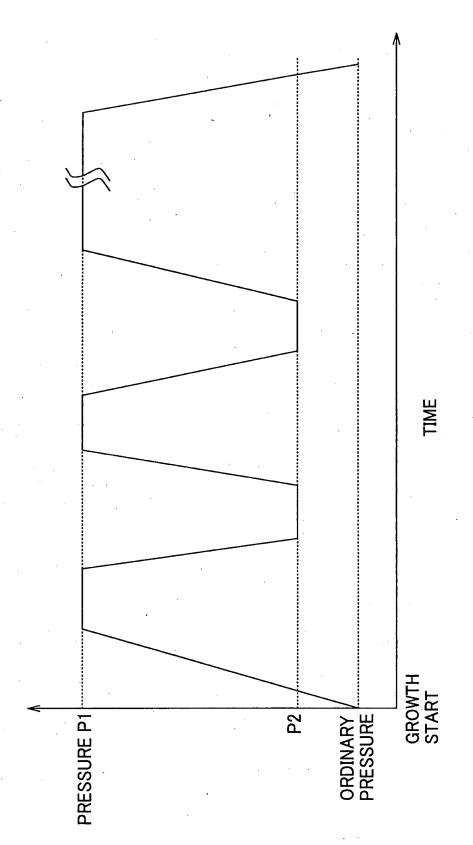


FIG.15

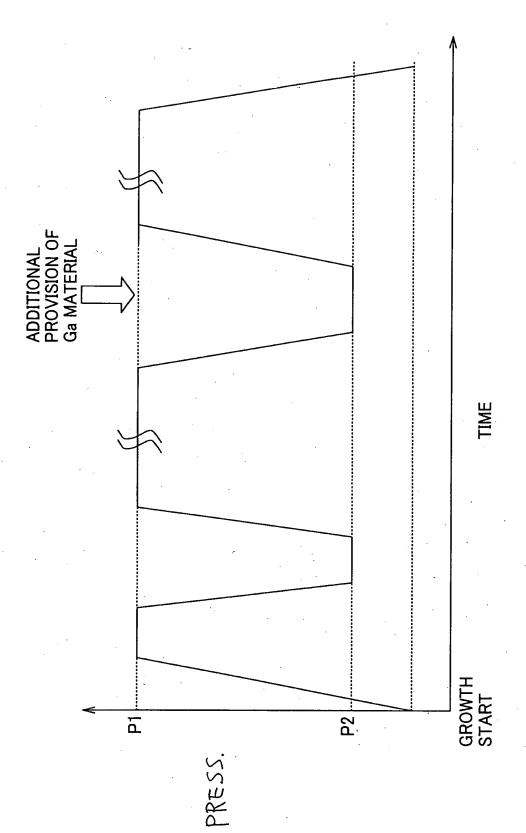


FIG.16

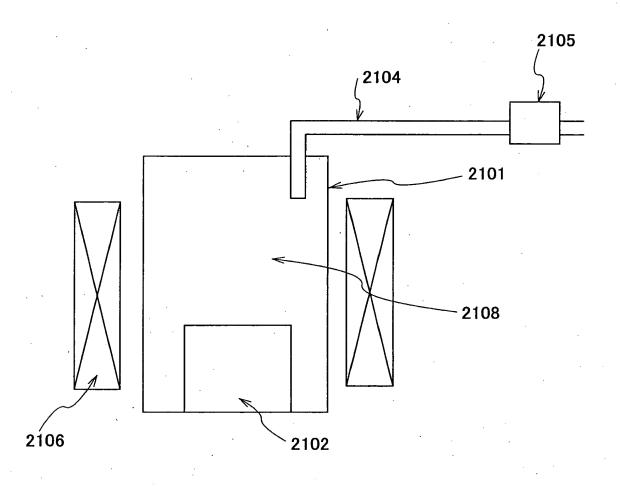


FIG.17

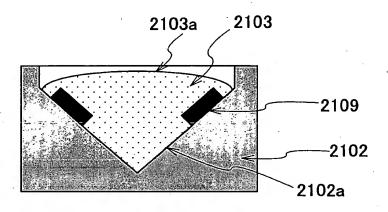


FIG.18

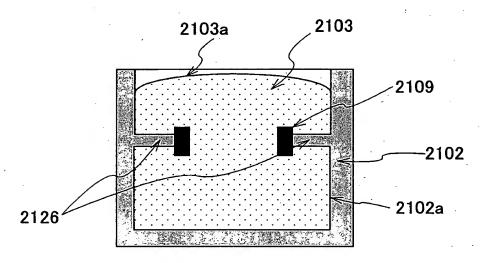


FIG.19

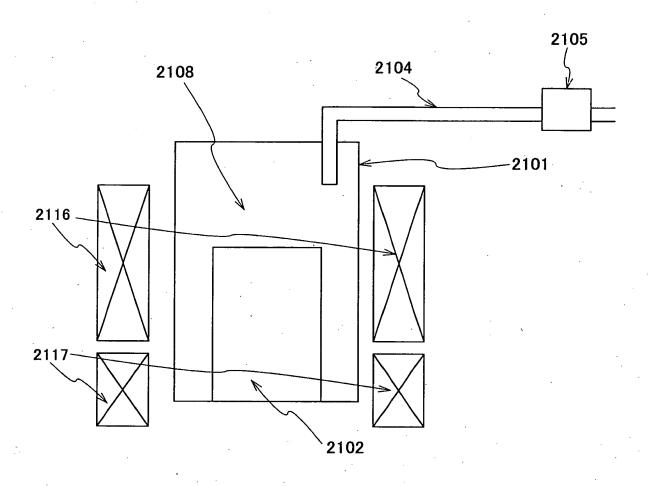




FIG.20A

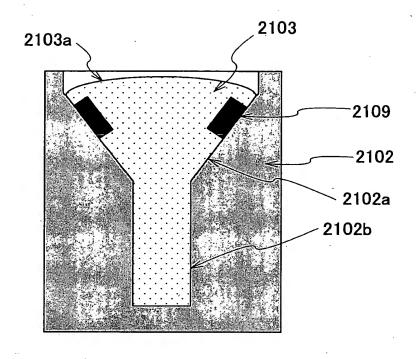


FIG.20B

